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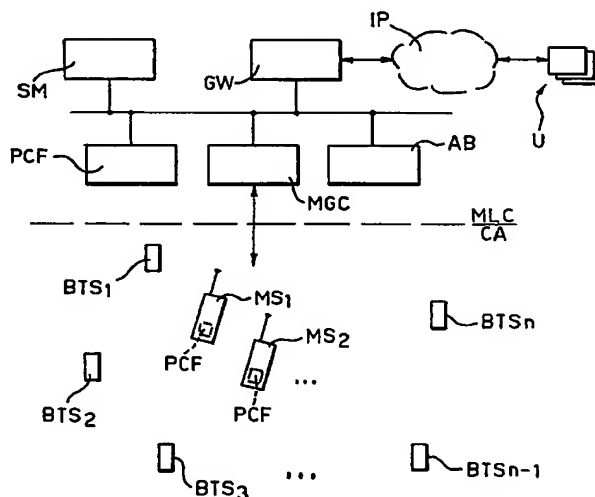
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(54) Title: METHOD FOR LOCATING MOBILE TERMINALS, SYSTEM AND COMPONENTS THEREFOR



(57) Abstract: To locate a mobile terminal (MS1, MS2, ...) within a mobile communication network comprising at least a radio base station (BTS1, BTS2, ..., BTSn), a set of physical dimensions are measured, which identify, according to respective functions, the location co-ordinates (x, y, z) of the mobile terminal. The method comprises the steps of: generating, starting from said set of physical dimensions and respective functions, a global locating error function ( $\phi$ ) which has a minimum for values of said locating co-ordinates (x, y, z) corresponding with the position occupied by said mobile terminal, seeking the minimum of said error function ( $\phi$ ) by varying at least one of said locating co-ordinates (x, y, z), and locating said mobile terminal in correspondence with the value of said at least one locating co-ordinate corresponding to said minimum.